MBTA Readville Yard 5 Remediation

April 14, 2011

Massachusetts Bay Transportation Authority

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Readville Yard 5 Remediation
Agenda

- Introduction
  - Janis Kearney, Esq., Director of Environmental Compliance, MBTA
  - Debra Darby, Site Remediation Specialist
  - Elissa Brown, LSP, AECOM
- Project Overview
  - Elissa Brown, LSP, AECOM
- Closing Remarks
  - Janis Kearney, MBTA

Readville Yard 5 Remediation
Proposed Schedule

Planned Schedule

- Bid Package – June – Sept 2010
- Bidding – Oct 2010 – June 2011
- Pre-Construction Site Status Meeting – July 2011
- Pre-Work Documents – July – Sept 2011
- Remediation/Site Restoration – **Sept 2011 – July 2012**

Actual Schedule

- ✓ Bidding – November 2010
- ✓ Contract Awarded – March 2011
- ✓ Pre-Construction Site Status Meeting – Today
- Pre-Work Documents – April 2011
- Remediation/Site Restoration – **April – December 2011**

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Readville Yard 5 Remediation Schedule

Site Preparation

- April – May 2011

Remediation

- May – November 2011

Site Restoration

- December 2011

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Sequence of Events: Site Preparation

- Start-Up
  - Mobilization, fencing & signage, erosion controls
- Construct decontamination pad, treatment pad, and stockpile area
- Construct temporary railroad crossing
- Clear and grub area
- Stabilize construction entrance

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Sequence of Events – Remediation

- Excavate and segregate materials
- Screen and stabilize hazardous soil and debris
- Stockpile soil
- Collect and analyze samples
- Transport soil and debris off site

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Sequence of Events – Site Restoration

- Backfill
- Loam and seed
- Demobilization

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Site Plan – Sample Locations

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Site Plan – Soil Removal Areas

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Readville Yard 5 Remediation Equipment

Excavator

Water truck

Front end Loader

Screen

Bulldozer

Dump truck/trailer

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Transportation Management Plan

Off-Site Disposal

- Trucks only
- Covered, washed and inspected
- Access via Industrial Drive

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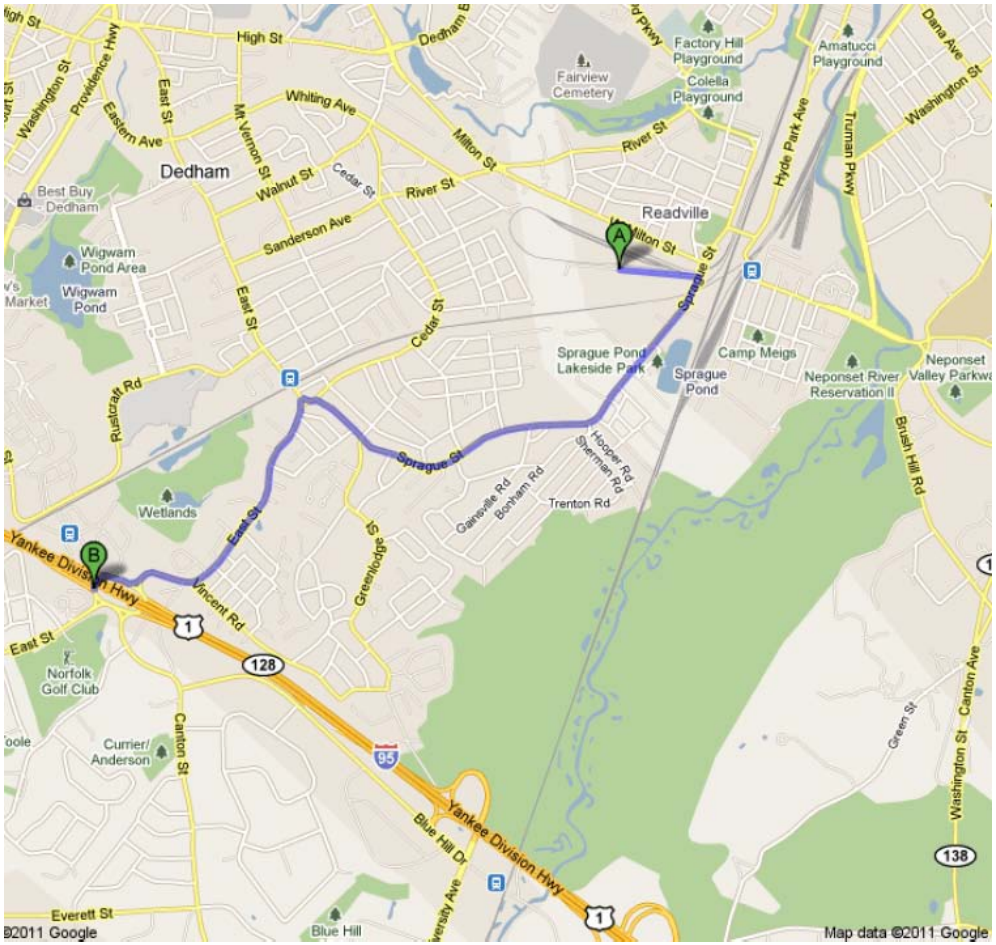
Truck Route



- Out Readville Yard 5, left onto Industrial Drive
- Left on Sprague Street
- Left at Cedar Street
- At rotary, take 2nd exit onto East Street
- Follow to Route 95/128

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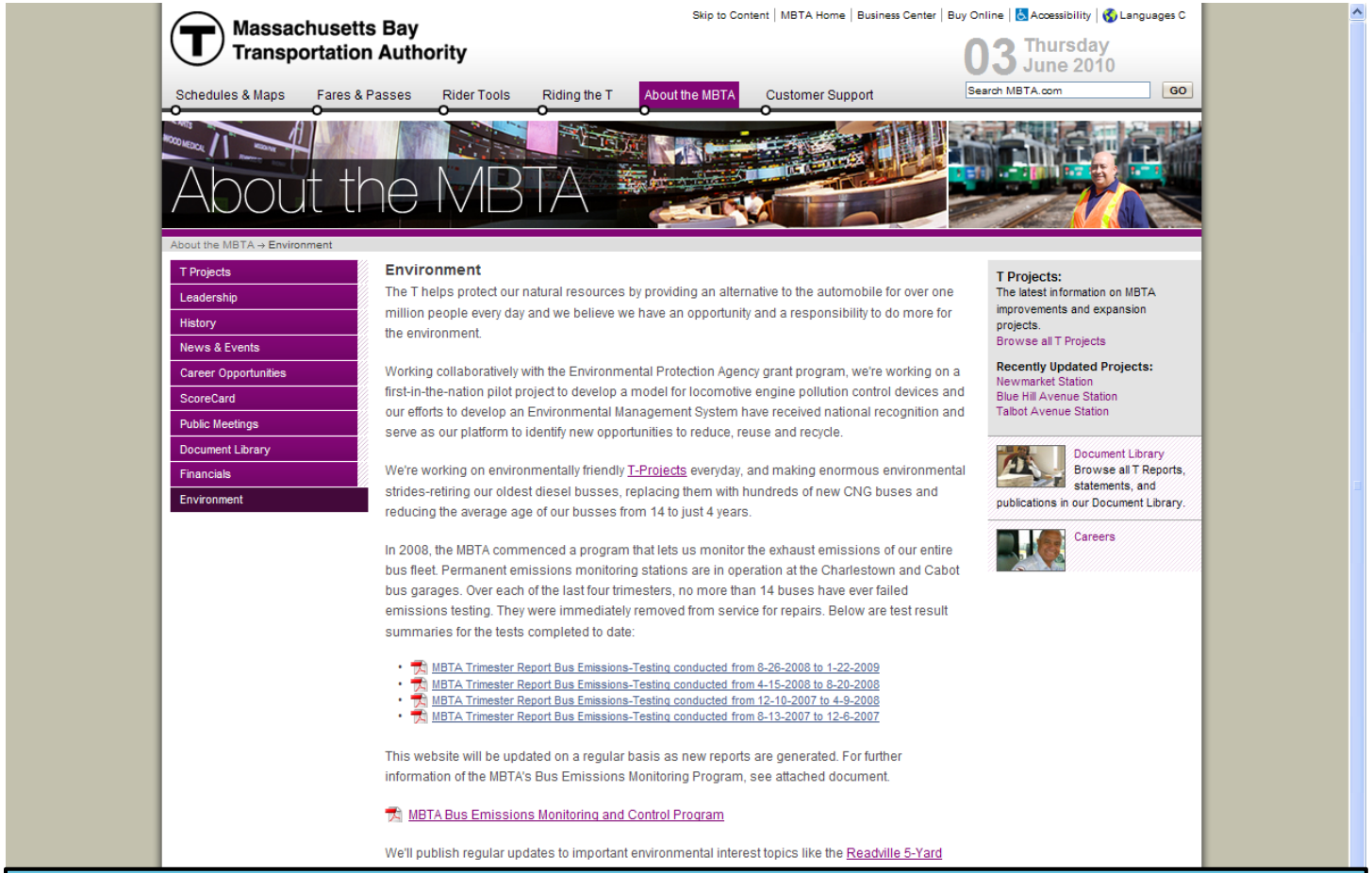
MBTA Website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Environment
The T helps protect our natural resources by providing an alternative to the automobile for over one million people every day and we believe we have an opportunity and a responsibility to do more for the environment.
Working collaboratively with the Environmental Protection Agency grant program, we're working on a first-in-the-nation pilot project to develop a model for locomotive engine pollution control devices and our efforts to develop an Environmental Management System have received national recognition and serve as our platform to identify new opportunities to reduce, reuse and recycle.
We're working on environmentally friendly T-Projects everyday, and making enormous environmental strides-retiring our oldest diesel busses, replacing them with hundreds of new CNG buses and reducing the average age of our busses from 14 to just 4 years.
In 2008, the MBTA commenced a program that lets us monitor the exhaust emissions of our entire bus fleet. Permanent emissions monitoring stations are in operation at the Charlestown and Cabot bus garages. Over each of the last four trimesters, no more than 14 buses have ever failed emissions testing. They were immediately removed from service for repairs. Below are test result summaries for the tests completed to date:
MBTA Trimester Report Bus Emissions-Testing conducted from 8-26-2008 to 1-22-2009
MBTA Trimester Report Bus Emissions-Testing conducted from 4-15-2008 to 8-20-2008
MBTA Trimester Report Bus Emissions-Testing conducted from 12-10-2007 to 4-9-2008
MBTA Trimester Report Bus Emissions-Testing conducted from 8-13-2007 to 12-6-2007
This website will be updated on a regular basis as new reports are generated. For further information of the MBTA's Bus Emissions Monitoring Program, see attached document.
MBTA Bus Emissions Monitoring and Control Program
We'll publish regular updates to important environmental interest topics like the Readville 5-Yard
T Projects:
The latest information on MBTA improvements and expansion projects.
Browse all T Projects
Recently Updated Projects:
Newmarket Station
Blue Hill Avenue Station
Talbot Avenue Station
Document Library
Browse all T Reports, statements, and publications in our Document Library.
Careers

http://www.mbta.com/about_the_mbta/environment

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Questions?

Thank You

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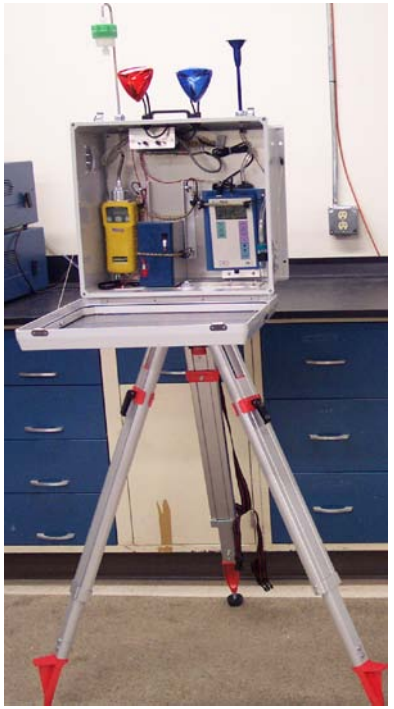
Readville Yard 5 Remediation
Air Monitoring Plan

- Risk-based action levels for total dust, arsenic and lead protective of:
  - Adjacent and nearby residents
  - Remediation workers
  - MBTA workers
- Mobile air monitoring stations
  - Fenceline
  - Continuous dust measurements
  - Daily laboratory analysis
- Upwind and downwind locations



Area monitoring station

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Air Monitoring Plan

- Risk Characterization:
  - **Current site conditions**
    - No risk to off-site residents due to dust
  - **During remediation**
    - Remediation workers personal protective equipment
    - Risk controlled by dust management
    - Water misting of work area
    - Stockpiles covered
    - Continuous on-site dust monitoring with laboratory analysis
  - **Post-Remediation**
    - No risk to off-site residents due to dust
    - No risk to on-site workers

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Air Monitoring Plan

- Continuous, real-time dust monitoring in work zone
  - Risk-based action levels
  - Alarms
  - Dust suppression/Stop work procedures
  - Early warning signal for off-site impacts

Community and worker health and safety are a top priority

Hand-held monitoring device

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Health and Safety Plan

AECOM & MBTA is committed to providing our employees with a safe and healthy work environment and minimizing our impact on the environment

- Safe work practices & procedures
  - Workers
  - Community
- Meet regulatory requirements
  - OSHA
  - MassDEP
- Strict control on storage, handling and use of materials and equipment